

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: LUDEMANN et al.
Title: METHOD FOR ANALYSING METABOLITES
Appl. No.: U.S. National Stage of PCT/EP2004/014450
International Filing Date: December 12, 2004
Examiner: Unassigned
Art Unit: Unassigned
Confirmation Number: Unassigned

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of a document known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed document is being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the date of entry of the national stage as set forth in 37 CFR §1.491.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

Although Applicant believes that no fee is required for this Request, the Commissioner is hereby authorized to charge any additional fees which may be required for this Request to Deposit Account No. 19-0741.

Respectfully submitted,

Date May 19, 2006

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Substitute for form 1449B/PTO				Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: May 19, 2006 (use as many sheets as necessary)				Application Number		U.S. National Stage Application of PCT/EP2004/014450
				Filing Date		Concurrently Herewith
				First Named Inventor		Alexander LUDEMANN
				Group Art Unit		Unassigned
				Examiner Name		Unassigned
Sheet 1 of 1				Attorney Docket Number 028622-0153		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

U.S. PATENT APPLICATION DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Application Document		Name of Patentee or Applicant of Cited Document	Filing Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Serial Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS								
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A1	FIEHN et al., "Metabolite profiling for plant functional genomics," <i>Nature Biotechnology</i> , Vol. 18, No. 11, 2000, pages 1157-1161	
	A2	FIEHN et al., "Identification of uncommon plant metabolites based on calculation of elemental compositions using gas chromatography and quadrupole mass spectrometry," <i>Analytical Chemistry</i> , Vol. 72, No. 15, August 1, 2000, pages 3573-3580	
	A3	WAGNER, et al., "Construction and application of a mass spectral and retention time index database generated from plant GC/EL-TOF-MS metabolite profiles," <i>Phytochemistry</i> , Vol. 62, March 2002, pages 887-900	
	A4	ALLEGROD et al., "Use of isotopically labeled palmitate to examine de novo sphingolipid biosynthesis by LC-MS/MS: a metabolic approach," <i>FASEB Journal</i> , Vol. 17, No. 4-5, March 2003, Abstract No. 628.6	
	A5	MASHEGO et al., "MIRACLE: Mass isotopomer ratio analysis of U- ¹³ C-labeled extracts. A new method for accurate quantification of changes in concentrations of intracellular metabolites," <i>Biotechnology and Bioengineering</i> , Vol. 85, No. 6, March 20, 2004, pages 620-628	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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